

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DE2005/000281

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L27/15 H01L27/14 H01L31/0224 H01L33/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/044872 A (SANYO ELECTRIC CO., LTD; TOTTORI SANYO ELECTRIC CO., LTD; KOHNO, KEISHI) 30 May 2003 (2003-05-30) figure 3	1-58
P, X	-& EP 1 460 694 A 22 September 2004 (2004-09-22)	1
X	US 6 278 136 B1 (NITTA KOICHI) 21 August 2001 (2001-08-21) figure 4a	1-58
A	US R E36 747 E (MANABE ET AL) 27 June 2000 (2000-06-27) abstract	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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& document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
18 July 2005	26/07/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patenttaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Werner, A

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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